Corda blockchain and its comparison with Bitcoin, and Ethereum

Workshop 4
Task #1: Why would you consider to use Blockchain?

Look for:

- Do you need Blockchain for your personal blog?
- What is a type of application?
- What type of data involved?
- What else would you consider before going for Blockchain-based solution?
Task #2: Is Blockchain really as secure as we think?

Look for:

- What are the security risks?
- What are the limitations?
- Quantum computing threats?
- ...
Corda is a permissioned blockchain. Study the Blockchain-based Corda platform and answer the following questions:

- How Corda perform transaction and what cryptography schemes it use?
- What is the mechanism for identity management?
- What access control mechanism it use?
- How it manage the privacy?
- How is it different as compared to the Bitcoin, Ethereum?
Task #4

Perform comparison of (Bitcoin, Ethereum, and Corda). Focus on the following parameters when comparing above mentioned Blockchain platforms:

- Transaction mechanism
- Cryptography
- Identity management
- Access control
- Privacy
- Something interesting?
Workshop Report Submission

Submit workshop solution in a continuous report via Course Website as BCT_Workshop4.pdf

**Deadline:** Before the next lecture

Report that are handed in after the deadline 50% of the points will be deducted